



IFW Corp

PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/723,101
	Filing Date	November 25, 2003
	First Named Inventor	Nobutaka Kitagawa
	Art Unit	2816
	Examiner Name	Minh T. Nguyen
Total Number of Pages in This Submission	Attorney Docket Number	351991-992011 (2102475-992011)

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OFFICE OF PETITIONS

ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form (PTO/SB/17) <input checked="" type="checkbox"/> Fee from automatic deposit acc't <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): 1. Request for Certificate of Correction (2 Pg) (+1); 2. Copy of Notice of Recordation and Assignment 3. Certificate of Correction PTO SB/44 (in triplicate);
Remarks The Commissioner is hereby authorized to charge the <i>Request for Certificate of Correction Fee</i> of \$100 and <i>Processing Fee</i> of \$130 and any fees which may be required, or credit any overpayment to Deposit Account No. 07-1896 . A duplicate copy of this form is enclosed.		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	DLA Piper Rudnick Gray Cary US LLP		
Signature			
Printed name	JON IKEGAMI		
Date	June 13, 2006	Reg. No.	51,115

CERTIFICATE OF FACSIMILE TRANSMISSION/MAILING			
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, Mail Stop - Certificate of Corrections Branch, on the date shown below.			
Signature			
Typed or printed name	Susan Pingue	Date	June 13, 2006

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and

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EM7205874.1
351991-992011

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Effective on 12/08/2004.
Pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL

for FY 2005

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$230.00)

Complete If Known

Application Number	10/723,101
Filing Date	November 25, 2003
First Named Inventor	Nobutaka Kitagawa
Examiner Name	Minh T. Nguyen
Art Unit	2816
Attorney Docket No.	351991-991330 (Formerly 210245-001330)

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METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____

☒ Deposit Account Deposit Account Number: 07-1896 Deposit Account Name: DLA PIPER RUDNICK GRAY CARY US LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee
☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

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FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description	Small Entity	
	Fee (\$)	Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180
Total Claims	Fee (\$)	Fee Paid (\$)
- 20 or HP = _____ x _____ = _____		
HP = highest number of total claims paid for, if greater than 20		
Indep. Claims	Fee (\$)	Fee Paid (\$)
- 3 or HP = _____ x _____ = _____		
HP = highest number of independent claims paid for, if greater than 3		

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).


Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
_____ - 100 = _____ /50= _____ (round up to a whole number) x _____ = _____				

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)
Other (e.g., late filing surcharge): Code 1811 1.20(a) Certificate of correction \$100 (Post Issuance Fee) 230.00

and Processing Fee (37 CFR 1.17(i) of \$130.00

SUBMITTED BY

Signature		Registration No. 51,115 (Attorney/Agent)	Telephone (650) 830-2104
Name (Print/Type)	JON IKEGAMI		Date June 13, 2006

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, American Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO USPTO. Forms.co



Attorney Docket No.: 351991-992011 (2102475-992011)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent of : Kitagawa, et al.

Issued: December 28, 2004

Patent No: 6,836,170 B2

Title: IMPEDANCE TRIMMING CIRCUIT

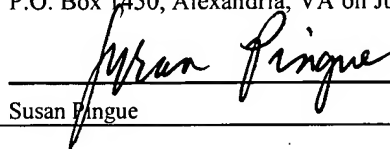
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Susan Pinguet

**REQUEST FOR CERTIFICATE OF CORRECTION OF A PATENT
FOR APPLICANT'S MISTAKE 37 CFR § 1.323**

Attn.: Certificate of Corrections Branch
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Attached in triplicate is Form PTO/SB/44 with at least one copy being suitable for printing.

The error occurs as follows:

(73) Page 1, Assignee of the Letters Patent: The Assignees should be listed as

**KABUSHIKI KAISHA TOSHIBA (JP) and TOSHIBA IT-SOLUTIONS CORPORATION
(JP)**, as per the attached Assignment recorded on February 27, 2004, Reel/Frame: 015014/0363.

Please send the Certificate to:

Jon Y. Ikegami, Esq.
DLA Piper Rudnick Gray Cary US LLP
2000 University Avenue
East Palo Alto, CA 94303-2248

06/16/2006 EFLORES 00000010 071896 6836170

01 FC:1811 100.00 DA

06/16/2006 EFLORES 00000010 071896 6836170

02 FC:1051 130.00 DA

The Commissioner is hereby authorized to charge the fees amounting to \$230.00 or any additional fees which may be required, or credit any overpayment to Deposit Account No. 07-1896. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

DLA Piper Rudnick Gray Cary US LLP

Dated: June 13, 2006

By


Jon Y. Ikegami, Reg. No. 51,115
Attorney for Applicant

DLA Piper Rudnick Gray Cary US LLP
2000 University Avenue
East Palo Alto, CA 94303-2248
Phone: 650-833-22104

Customer No. 26379

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 1 of 1

PATENT NO.: **US 6,836,170 B2**

APPLICATION NO.: 10/723,101

ISSUE DATE: December 28, 2004

INVENTOR(S): Nobutaka Kitagawa, Tokyo (JP);
Shuichi Takada, Yokohama (JP);
Nobuyuki Sasaki, Tokyo (JP)
Yasuhiko Kaminota, Kawasaki (JP)

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

(73) Assignees: **Kabushiki Kaisha Toshiba**, Tokyo (JP)
Toshiba IT-Solutions Corporation Kanagawa Prefecture 212-8550 (JP)

MAILING ADDRESS OF SENDER (Please do not use customer number below):

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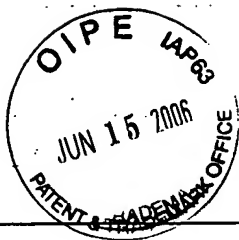
DLA PIPER RUDNICK GRAY CARY US LLP
2000 University Avenue
East Palo Alto, CA 94303-9709

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This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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UNITED STATES PATENT AND TRADEMARK OFFICE

C
~~2004~~ 992011

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

AUGUST 21, 2004

PTAS



102681872A

GRAY CARY WARE ET.AL.
EDWARD B. WELLER
2000 UNIVERSITY AVENUE
EAST PALO ALTO, CA 94303

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UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 02/27/2004

REEL/FRAME: 015014/0363
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

KITAGAWA, NOBUTAKA

DOC DATE: 02/09/2004

ASSIGNOR:

TAKADA, SHUICHI

DOC DATE: 02/09/2004

ASSIGNOR:

SASAKI, NOBUYUKI

DOC DATE: 02/09/2004

ASSIGNOR:

KAMINOTA, YASUHIKO

DOC DATE: 02/09/2004

ASSIGNEE:

KABUSHIKI KAISHA TOSHIBA
1-1, SHIBAURA 1-CHOME
MINATO-KU, TOKYO 105-8001, JAPAN

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AUG 27 2004

GRAY CARY
WARE & FREIDENRICH

015014/0363 PAGE 2

SERIAL NUMBER: 10723101

PATENT NUMBER:

TITLE: IMPEDANCE TRIMMING CIRCUIT

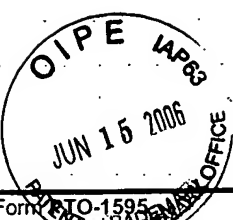
FILING DATE: 11/25/2003

ISSUE DATE:

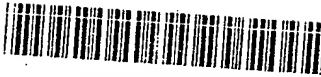
HUONG TON, EXAMINER

ASSIGNMENT DIVISION

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03-02-2004



....102681872

Form PTO-1595
(Rev. 03/01/2004)
OMB No. 0651-0027

REI

U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

2.27.04

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Nobutaka Kitagawa, Shuichi Takada, Nobuyuki Sasaki
and Yasuhiko KaminotaAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: February 9, 2004

2. Name and address of receiving party(ies)

Name: Kabushiki Kaisha ToshibaInternal Address: 1-1, Shibaura 1-chome,Minato-ku, Tokyo 105-8001Japan

Street Address: _____

City: _____ State: _____ Zip: _____

Additional name(s) & address(es) attached? ☐ Yes ☒ No

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4. Application number(s) or patent number(s)

If this document is being filed together with a new application the execution date of the application is:

A. Patent Application No.(s)

10/723,101

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☐ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Edward B. WellerInternal Address: Gray Cary Ware & Freidenrich
Address: LLPStreet address: 2000 University AvenueCity: East Palo Alto State: CA Zip: 943036. Total number of applications and patents involved 17. Total fee (37 CFR 3.41) \$ 40.00

- ☒ Enclosed
☐ Authorized to be charged to deposit account

8. Deposit account number: 07-1896

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*Edward B. Weller37,468

Name of Person Signing

Reg. No.

Signature

February 20, 2004

Date

Total number of pages including cover sheet, attachments, and documents: 03Mail documents to be recorded with required cover sheet information to:
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P.O. Box 1450, Alexandria, VA 22313-1450

03/01/2004 DBYRNE 00000046 10723101

01 FC:8021

40.00 DP

Gray Cary\EM\7160109.1
2102475-992011

ASSIGNMENT

(03S0511-I)

In consideration of value received, I, having a residence as stated below above my name, the sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are listed below) of an invention described in an application for United States patent entitled:

IMPEDANCE TRIMMING CIRCUIT

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JUN 19 2006

sell and assign to

OFFICE OF PETITIONS

(1) KABUSHIKI KAISHA TOSHIBA, a Japanese corporation, having a place of business at
1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8001, Japan and;

(2) Toshiba IT-Solutions Corporation, a Japanese corporation, having a place of business at
66-2, Horikawa-cho, Saiwai-ku, Kawasaki, Kanagawa Prefecture 212-8550, Japan

their successors, and assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention as disclosed, shown and described in said United States patent application:

(check one) ☒ executed concurrently herewith;
☐ executed on _____;
☒ Application No. 10/723,101 , filed November 25, 2003 ;

and in and to all applications for patent and patents for invention including all divisions, reissues, continuations, substitutes and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property, including rights of priority, resulting from the filing of any of said applications; and I authorize and request any official whose duty is to issue patents, to issue any patent on said invention or resulting therefrom to said Assignee, and I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing, continued prosecution, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention.

I hereby grant the following law firm the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the Rules of the U.S. Patent and Trademark Office for recordation of this document.

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[1st Inventor]

Mailing Address: c/o Intellectual Property Division, Toshiba Corporation, 1-1, Shibaura 1-chome,
Minato-ku, Tokyo 105-8001, Japan

Residence Address: Tokyo, Japan

Citizenship: Japan

Nobutaka Kitagawa

Nobutaka Kitagawa

FEB. - 9. 2004

Date:

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JUN 19 2006

[2nd Inventor]

Mailing Address: c/o Intellectual Property Division, Toshiba Corporation, 1-1, Shibaura 1-chome,
Minato-ku, Tokyo 105-8001, Japan

Residence Address: Yokohama-shi, Japan

Citizenship: Japan

Shuichi Takada

Shuichi Takada

FEB. - 9. 2004

Date:

[3rd Inventor]

Mailing Address: Gurandoru-Fuchu, 2, Toshihachio, Fuchu-shi, Tokyo, Japan

Residence Address: Tokyo, Japan

Citizenship: Japan

Nobuyuki Sasaki

Nobuyuki Sasaki

FEB. - 9. 2004

Date:

[4th Inventor]

Mailing Address: 1-1552-110, Kamimarukosannochi, Nakahara-ku, Kawasaki-shi, Kanagawa-ken, Japan

Residence Address: Kawasaki-shi, Japan

Citizenship: Japan

Yasuhiko Kaminota

Yasuhiko Kaminota

FEB. - 9. 2004

Date:

RECORDING OFFICER:

After recording, please return to:

Mr. Ronald L. Yin

Gray Cary Ware & Freidenrich L.L.P.

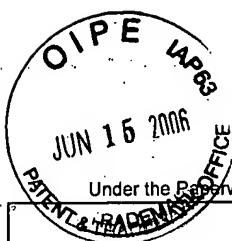
Patent Department - HV

2000 University Circle,

East Palo Alto,

California 94303-3340

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PTO/SB/21 (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/723,101
	Filing Date	November 25, 2003
	First Named Inventor	Nobutaka Kitagawa
	Art	Not yet assigned
	Examiner	Not yet assigned
Total Number of Pages in This Submission	Attorney Docket Number	2102475-992011

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JUN 19 2006

ENCLOSURES (Check all that apply)**OFFICE OF PETITIONS**

<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to Group
<input checked="" type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation, Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Request for Refund	Postcard, Assignment and Cover Sheet, and
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> CD, Number of CD(s) _____	Check No. <u>554443</u>
<input type="checkbox"/> Certified Copy of Priority Document(s)	Remarks	
<input type="checkbox"/> Response to Missing Parts/Incomplete Application		
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual	Edward B. Weller (Reg. No. 37,468) Gray Cary Ware & Freidenrich LLP
Signature	<i>E B Weller</i>
Date	February 20, 2004

CERTIFICATE OF TRANSMISSION/MAILING

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Typed or printed	Susan Pingue
Signature	<i>Susan Pingue</i>
Date	February 20, 2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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JUN 15 2006

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL

for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$)**40.00**

Complete if Known

Application Number	10/723,101
Filing Date	November 25, 2003
First Named Inventor	Nobutaka Kitagawa
Examiner Name	Not yet assigned
Art Unit	Not yet assigned
Attorney Docket No.	2102475-992011

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METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:

Deposit Account Number: 07-1896
Deposit Account Name: Gray Cary Ware & Freidenrich LLP

The Director is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments

☒ Charge any additional fee(s) or any underpayment of fee(s)

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	770	2001	385	Utility filing fee	
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	

SUBTOTAL (1) (\$)

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

		Extra Claims		Fee from below		Fee Paid
Total Claims		-20** =	0	X	18	0
Independent Claims		-3** =	0	X	86	0
Multiple Dependent						

Large Entity		Small Entity		Fee Description
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent claim, if not paid
1204	86	2204	43	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$)

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued) JUN 19 2006

3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for <i>ex parte</i> reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	210	Extension for reply within second month	
1253	950	2253	475	Extension for reply within third month	
1254	1,480	2254	740	Extension for reply within fourth month	
1255	2,010	2255	1,005	Extension for reply within fifth month	
1401	330	2401	165	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	290	2403	145	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,330	2453	665	Petition to revive - unintentional	
1501	1,330	2501	665	Utility issue fee (or reissue)	
1502	480	2502	240	Design issue fee	
1503	640	2503	320	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	40.00
1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))	
1801	770	2801	385	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$)**40.00**

SUBMITTED BY

Name (Print/Type)	EDWARD B. WELLER	Registration No. (Attorney/Agent)	37,468	Telephone	650-833-2436
Signature	<i>Edward B. Weller</i>	Date	February 20, 2004		

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This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete.